

Ohio State University Horticulture and Crop Science

RESIDUAL WEED CONTROL PROGRAMS IN NO-TILL ROUNDUP READY CORN

Trial ID: 07NTC1
Location: WESTERN BRANCH F-9

Study Dir.: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Affiliation: OSU
Investigator: Dr. Mark M. Loux
Affiliation: OSU

TRIAL LOCATION

State/Prov.: Ohio **Trial Status:** Complete
Country: USA **Initiation Date:** Apr/01/2007
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. STEME	Common chickweed	Stellaria media
2. LAMPU	Purple deadnettel	Lamium purpureum
3. TAROF	Common dandelion	Taraxacum officinale
4. AMBTR	Giant ragweed	Ambrosia trifida
5. RANAB	Buttercup, smallflower	Ranunculus abortivus
6. VERAR	Corn speedwell	Veronica arvensis
7. LAMAM	Henbit	Lamium amplexicaule
8. ERICA	Horseweed	Conyza canadensis
9. SETFA	Giant foxtail	Setaria faberi
10. CHEAL	Common lambsquarters	Chenopodium album
11. ABUTH	Velvetleaf	Abutilon theophrasti
12. POLPY	Pennsylvania smartweed	Polygonum pennsylvanicum
13. AMBEL	Common ragweed	Ambrosia artemisiifolia

Crop 1: ZEAMX CORN, FIELD **Variety:** PIONEER 34A17
Planting Date: May/03/2007 **Planting Method:** JOHN DEERE 7200
Rate: 32097 SEED/A **Depth:** 1.5 IN
Row Spacing: 30 IN **Seed Bed:** NO-TILL

SITE AND DESIGN

Plot Width, Unit: 6.67 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Tillage Type: NO-TILL **Study Design:** RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 1.2 **Texture:** SILT LOAM
pH: 5.8 **Soil Name:** CROSBY
CEC: 10.8

Overall Moisture Conditions: POOR

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr/20/2007	Apr/28/2007	Jun/06/2007
Time of Day:	9:00 A.M.	11:00 A.M.	9:30 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	14EPP	7 EPP	POST
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	62 F	62 F	66 F
% Relative Humidity:	52	59	76
Wind Velocity, Unit:	3 NW	8 W	1 S
Soil Temp., Unit:	44 F	58 F	60 F
Soil Moisture:	DRY MOIST	MOIST/WET	DRY/MOIST
% Cloud Cover:	0	15	10

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX .	ZEAMX .	ZEAMX .
Stage Scale:	.	.	6 COLLAR
Height, Unit:	0. .	0. .	20 IN

Ohio State University Horticulture and Crop Science

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage: STEME 12"	STEME 12"	STEME 8-12"	STEME .
Stage Scale:	>12 LVS	>12 LVS	.
Density, Unit:	6.66 M2	6.66 M2	. .
Weed 2 Code, Stage: LAMPU 3-4"	LAMPU 3-4"	LAMPU 3-4"	LAMPU .
Stage Scale:	>12 LVS	>12 LVS	.
Density, Unit:	8 M2	8 M2	. .
Weed 3 Code, Stage: TAROF 6-8"	TAROF 6-8"	TAROF 8-10"	TAROF .
Stage Scale:	>12 LVS	>12 LVS	.
Density, Unit:	0.33 M2	0.33 M2	. .
Weed 4 Code, Stage: AMBTR .	AMBTR .	AMBTR 2"	AMBTR 6-27"
Stage Scale:	.	2 LVS	> 12 LVS
Density, Unit:	.	13.3 M2	13.3 M2
Weed 5 Code, Stage: RANAB .	RANAB .	RANAB 4-6"	RANAB .
Stage Scale:	.	>12 LVS	.
Density, Unit:	.	12 M2	. .
Weed 6 Code, Stage: VERAR .	VERAR .	VERAR 4-6" DIAM	VERAR .
Stage Scale:	.	>12 LVS	.
Density, Unit:	.	6.66 M2	. .
Weed 7 Code, Stage: LAMAM 4-5"	LAMAM .	LAMAM .	LAMAM .
Stage Scale:	>12 LVS	.	.
Density, Unit:	1.3 M2	.	. .
Weed 8 Code, Stage: ERICA .	ERICA .	ERICA .	ERICA 8-14"
Stage Scale:	.	.	> 12 LVS
Density, Unit:	.	.	4 M2
Weed 9 Code, Stage: SETFA .	SETFA .	SETFA .	SETFA 1-14"
Stage Scale:	.	.	6 LVS
Density, Unit:	.	.	46 M2
Weed10 Code, Stage: CHEAL .	CHEAL .	CHEAL .	CHEAL 1-10"
Stage Scale:	.	.	> 12 LVS
Density, Unit:	.	.	4 M2
Weed11 Code, Stage: ABUTH .	ABUTH .	ABUTH .	ABUTH 1-8"
Stage Scale:	.	.	6 LVS
Density, Unit:	.	.	1 M2
Weed12 Code, Stage: POLPY .	POLPY .	POLPY .	POLPY 2-8"
Stage Scale:	.	.	8 LVS
Density, Unit:	.	.	0.33 M2
Weed13 Code, Stage: AMBEL .	AMBEL .	AMBEL .	AMBEL 2-8"
Stage Scale:	.	.	6 LVS
Density, Unit:	.	.	0.3 M2

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	50	50	50
Nozzle Type:	DG	DG	DG
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA
Propellant:	CO2	CO2	CO2

Ohio State University Horticulture and Crop Science

RESIDUAL WEED CONTROL PROGRAMS IN NO-TILL ROUNDUP READY CORN

Trial ID: 07NTC1
Location: WESTERN BRANCH F-9

Study Dir.: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Weed Code	AMBTR	LAMPU	LAMAM	STEME	VERAR
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/03/2007	May/03/2007	May/03/2007	May/03/2007	May/03/2007
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	1	2	3	4	5
		Rate Unit	Rate	Rate Unit	Code					
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	97 a	87 a	100 a	100 a	100 a
1	AMS	3.75 % v/v	3 qt/a							
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
1	AMS	3.75 % v/v	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	80 a	100 a	100 a	100 a
2	VALOR SX	0.064 lb ai/a	2 oz/a							
2	AMS	3.75 % v/v	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
2	AMS	3.75 % v/v	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	97 a	100 a	100 a	100 a
3	VALOR SX	0.064 lb ai/a	2 oz/a							
3	ATRAZINE	1 lb ai/a	1 qt/a							
3	AMS	3.75 % v/v	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
3	AMS	3.75 % v/v	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	97 a	100 a	100 a	100 a
4	ATRAZINE	1 lb ai/a	1 qt/a							
4	AMS	3.75 % v/v	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
4	AMS	3.75 % v/v	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	96 a	100 a	100 a	100 a	100 a
5	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a							
5	AMS	3.75 % v/v	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
5	AMS	3.75 % v/v	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	99 a	100 a	100 a	100 a
6	LUMAX	1.48 lb ai/a	3 pt/a							
6	AMS	3.75 % v/v	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
6	AMS	3.75 % v/v	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	90 a	87 a	90 a	100 a	100 a
7	BALANCE PRO	0.047 lb ai/a	1.5 oz/a							
7	AMS	3.75 % v/v	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
7	AMS	3.75 % v/v	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	90 a	90 a	100 a	100 a
8	RADIUS	0.313 lb ai/a	10 oz/a							
8	AMS	3.75 % v/v	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
8	AMS	3.75 % v/v	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	37 bc	10 c	10 c	0 d	10 c
9	AMS	3.75 % v/v	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
9	AMS	3.75 % v/v	3 qt/a							

Ohio State University Horticulture and Crop Science

Weed Code	AMBTR	LAMPU	LAMAM	STEME	VERAR
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/03/2007	May/03/2007	May/03/2007	May/03/2007	May/03/2007
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product Unit	Product Rate	Appl Unit	Code	1	2	3	4	5
10	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	90 a	50 b	59 b	72 c	60 b
10	VALOR SX	0.064	lb ai/a	2	oz/a						
10	AMS	3.75	% v/v	3	qt/a						
10	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
10	AMS	3.75	% v/v	3	qt/a						
11	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	80 a	47 b	59 b	88 b	61 b
11	VALOR SX	0.064	lb ai/a	2	oz/a						
11	ATRAZINE	1	lb ai/a	1	qt/a						
11	AMS	3.75	% v/v	3	qt/a						
11	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
11	AMS	3.75	% v/v	3	qt/a						
12	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	7 c	0 c	0 c	0 d	0 c
12	ATRAZINE	1	lb ai/a	1	qt/a						
12	AMS	3.75	% v/v	3	qt/a						
12	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
12	AMS	3.75	% v/v	3	qt/a						
13	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	7 c	0 c	0 c	0 d	0 c
13	BICEP II MAGNUM	1.79	lb ai/a	1.3	qt/a						
13	AMS	3.75	% v/v	3	qt/a						
13	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
13	AMS	3.75	% v/v	3	qt/a						
14	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	17 c	0 c	0 c	0 d	0 c
14	LUMAX	1.48	lb ai/a	3	pt/a						
14	AMS	3.75	% v/v	3	qt/a						
14	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
14	AMS	3.75	% v/v	3	qt/a						
15	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	30 bc	0 c	0 c	0 d	0 c
15	BALANCE PRO	0.047	lb ai/a	1.5	oz/a						
15	AMS	3.75	% v/v	3	qt/a						
15	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
15	AMS	3.75	% v/v	3	qt/a						
16	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	50 b	10 c	7 c	0 d	1 c
16	RADIUS	0.313	lb ai/a	10	oz/a						
16	AMS	3.75	% v/v	3	qt/a						
16	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C					
16	AMS	3.75	% v/v	3	qt/a						
LSD (P=.05)							21.6	16.2	12.8	6.6	9.7
Standard Deviation							13.0	9.7	7.6	4.0	5.8
CV							18.86	18.24	13.35	6.6	9.96
Bartlett's X2							7.196	14.827	0.868	3.994	0.555
P(Bartlett's X2)							0.617	0.096	0.833	0.046*	0.758
Replicate F							0.455	1.822	0.318	0.624	1.487
Replicate Prob(F)							0.6390	0.1797	0.7301	0.5426	0.2440
Treatment F							24.705	58.212	106.329	450.858	197.373
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University Horticulture and Crop Science

Weed Code				RANAB		ERICA		STEME		LAMPU	
Crop Code								ZEAMX			
Rating Data Type				CONTROL		CONTROL		PHYTO		CONTROL	
Rating Unit				PERCENT		PERCENT		PERCENT		PERCENT	
Rating Date				May/03/2007		May/03/2007		May/17/2007		May/17/2007	
Trt-Eval Interval				13 DA-A		13 DA-A		27 DA-A		27 DA-A	
# Subsamples, Dec.				0		0		0		0	
Trt No.	Treatment Name	Rate	Product	Product	Appl	6	7	8	9	10	
		Rate Unit	Rate	Rate Unit	Code						
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	98 a	0 a	100 a	100 a	
1	AMS	3.75 % v/v	3 qt/a	3 qt/a							
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
1	AMS	3.75 % v/v	3 qt/a	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A		98 a	0 a	100 a	100 a	
2	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a							
2	AMS	3.75 % v/v	3 qt/a	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
2	AMS	3.75 % v/v	3 qt/a	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	98 a	0 a	100 a	100 a	
3	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a							
3	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a							
3	AMS	3.75 % v/v	3 qt/a	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
3	AMS	3.75 % v/v	3 qt/a	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	98 a	0 a	100 a	100 a	
4	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a							
4	AMS	3.75 % v/v	3 qt/a	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
4	AMS	3.75 % v/v	3 qt/a	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A		100 a	0 a	100 a	100 a	
5	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a	1.3 qt/a							
5	AMS	3.75 % v/v	3 qt/a	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
5	AMS	3.75 % v/v	3 qt/a	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A		100 a	0 a	100 a	100 a	
6	LUMAX	1.48 lb ai/a	3 pt/a	3 pt/a							
6	AMS	3.75 % v/v	3 qt/a	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
6	AMS	3.75 % v/v	3 qt/a	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	0 a	100 a	97 a	
7	BALANCE PRO	0.047 lb ai/a	1.5 oz/a	1.5 oz/a							
7	AMS	3.75 % v/v	3 qt/a	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
7	AMS	3.75 % v/v	3 qt/a	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A		100 a	0 a	100 a	100 a	
8	RADIUS	0.313 lb ai/a	10 oz/a	10 oz/a							
8	AMS	3.75 % v/v	3 qt/a	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
8	AMS	3.75 % v/v	3 qt/a	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	0 b	47 bc	0 a	100 a	60 b	
9	AMS	3.75 % v/v	3 qt/a	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
9	AMS	3.75 % v/v	3 qt/a	3 qt/a							
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B		70 ab	0 a	100 a	90 a	
10	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a							
10	AMS	3.75 % v/v	3 qt/a	3 qt/a							
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
10	AMS	3.75 % v/v	3 qt/a	3 qt/a							

Ohio State University Horticulture and Crop Science

Weed Code	RANAB	ERICA	ZEAMX	STEME	LAMPU
Crop Code			PHYTO		
Rating Data Type	CONTROL	CONTROL	PERCENT	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/03/2007	May/03/2007	May/17/2007	May/17/2007	May/17/2007
Trt-Eval Interval	13 DA-A	13 DA-A	27 DA-A	27 DA-A	27 DA-A
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	6	7	8	9	10
		Rate Unit	Rate	Rate	Code					
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B		82 a	0 a	100 a	100 a
11	VALOR SX	0.064 lb ai/a	2 oz/a							
11	ATRAZINE	1 lb ai/a	1 qt/a							
11	AMS	3.75 % v/v	3 qt/a							
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
11	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	0 b	13 c	0 a	100 a	100 a
12	ATRAZINE	1 lb ai/a	1 qt/a							
12	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
12	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	0 b	33 c	0 a	100 a	100 a
13	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a							
13	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
13	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	0 b	12 c	0 a	100 a	100 a
14	LUMAX	1.48 lb ai/a	3 pt/a							
14	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
14	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	0 b	37 c	0 a	97 a	83 a
15	BALANCE PRO	0.047 lb ai/a	1.5 oz/a							
15	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
15	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	0 b	70 ab	0 a	100 a	87 a
16	RADIUS	0.313 lb ai/a	10 oz/a							
16	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
16	AMS	3.75 % v/v	3 qt/a							
LSD (P=.05)						0.0	24.4	0.0	2.4	14.7
Standard Deviation						0.0	14.5	0.0	1.4	8.8
CV						0.0	20.06	0.0	1.45	9.28
Bartlett's X2						0.0	8.543	0.0	0.0	3.535
P(Bartlett's X2)						.	0.201	.	.	0.473
Replicate F						0.000	1.465	0.000	1.000	0.512
Replicate Prob(F)						1.0000	0.2503	1.0000	0.3798	0.6046
Treatment F						0.000	15.549	0.000	1.000	4.479
Treatment Prob(F)						1.0000	0.0001	1.0000	0.4801	0.0002

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University Horticulture and Crop Science

Weed Code				LAMAM	VERAR	AMBTR	STEME			
Crop Code						ZEAMX				
Rating Data Type				CONTROL	CONTROL	CONTROL	PHYTO	CONTROL		
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date				May/17/2007	May/17/2007	May/17/2007	May/31/2007	May/31/2007		
Trt-Eval Interval				27 DA-A	27 DA-A	27 DA-A	41 DA-A	41 DA-A		
# Subsamples, Dec.				0	0	0	0	0		
Trt No.	Treatment Name	Rate	Product	Product	Appl	11	12	13	14	15
		Rate Unit	Rate	Rate Unit	Code					
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	83 a	0 a	100 a
1	AMS	3.75 % v/v	3 qt/a	3 qt/a						
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
1	AMS	3.75 % v/v	3 qt/a	3 qt/a						
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	90 a	0 a	100 a
2	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a						
2	AMS	3.75 % v/v	3 qt/a	3 qt/a						
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
2	AMS	3.75 % v/v	3 qt/a	3 qt/a						
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	100 a	0 a	100 a
3	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a						
3	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a						
3	AMS	3.75 % v/v	3 qt/a	3 qt/a						
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
3	AMS	3.75 % v/v	3 qt/a	3 qt/a						
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	100 a	0 a	100 a
4	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a						
4	AMS	3.75 % v/v	3 qt/a	3 qt/a						
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
4	AMS	3.75 % v/v	3 qt/a	3 qt/a						
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	100 a	0 a	100 a
5	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a	1.3 qt/a						
5	AMS	3.75 % v/v	3 qt/a	3 qt/a						
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
5	AMS	3.75 % v/v	3 qt/a	3 qt/a						
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	100 a	0 a	100 a
6	LUMAX	1.48 lb ai/a	3 pt/a	3 pt/a						
6	AMS	3.75 % v/v	3 qt/a	3 qt/a						
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
6	AMS	3.75 % v/v	3 qt/a	3 qt/a						
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	90 a	0 a	100 a
7	BALANCE PRO	0.047 lb ai/a	1.5 oz/a	1.5 oz/a						
7	AMS	3.75 % v/v	3 qt/a	3 qt/a						
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
7	AMS	3.75 % v/v	3 qt/a	3 qt/a						
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	A	100 a	100 a	100 a	0 a	100 a
8	RADIUS	0.313 lb ai/a	10 oz/a	10 oz/a						
8	AMS	3.75 % v/v	3 qt/a	3 qt/a						
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
8	AMS	3.75 % v/v	3 qt/a	3 qt/a						
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	73 b	100 a	93 a	0 a	90 a
9	AMS	3.75 % v/v	3 qt/a	3 qt/a						
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
9	AMS	3.75 % v/v	3 qt/a	3 qt/a						
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	93 a	100 a	85 a	0 a	93 a
10	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a						
10	AMS	3.75 % v/v	3 qt/a	3 qt/a						
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C					
10	AMS	3.75 % v/v	3 qt/a	3 qt/a						

Ohio State University Horticulture and Crop Science

Weed Code	LAMAM	VERAR	AMBTR	STEME	
Crop Code				ZEAMX	
Rating Data Type	CONTROL	CONTROL	CONTROL	PHYTO	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/17/2007	May/17/2007	May/17/2007	May/31/2007	May/31/2007
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	41 DA-A	41 DA-A
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	11	12	13	14	15
		Rate Unit	Rate	Rate Unit	Code					
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	88 a	0 a	100 a
11	VALOR SX	0.064 lb ai/a	2 oz/a							
11	ATRAZINE	1 lb ai/a	1 qt/a							
11	AMS	3.75 % v/v	3 qt/a							
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
11	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	95 a	0 a	100 a
12	ATRAZINE	1 lb ai/a	1 qt/a							
12	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
12	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	98 a	0 a	100 a
13	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a							
13	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
13	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	92 a	0 a	100 a
14	LUMAX	1.48 lb ai/a	3 pt/a							
14	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
14	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	73 b	100 a	100 a	0 a	100 a
15	BALANCE PRO	0.047 lb ai/a	1.5 oz/a							
15	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
15	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	88 ab	100 a	93 a	0 a	97 a
16	RADIUS	0.313 lb ai/a	10 oz/a							
16	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
16	AMS	3.75 % v/v	3 qt/a							
LSD (P=.05)						13.2	0.0	12.7	0.0	6.9
Standard Deviation						7.9	0.0	7.6	0.0	4.2
CV						8.27	0.0	8.08	0.0	4.22
Bartlett's X2						3.851	0.0	6.246	0.0	0.89
P(Bartlett's X2)						0.278	.	0.715	.	0.641
Replicate F						0.359	0.000	0.062	0.000	0.360
Replicate Prob(F)						0.7014	1.0000	0.9402	1.0000	0.7006
Treatment F						4.109	0.000	1.723	0.000	1.504
Treatment Prob(F)						0.0005	1.0000	0.0999	1.0000	0.1661

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University Horticulture and Crop Science

Weed Code				LAMPU	LAMAM	VERAR	AMBTR	SETFA		
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit				May/31/2007	May/31/2007	May/31/2007	May/31/2007	May/31/2007		
Rating Date				41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A		
Trt-Eval Interval				0	0	0	0	0		
# Subsamples, Dec.				0	0	0	0	0		
Trt No.	Treatment Name	Rate	Product	Product	Appl	16	17	18	19	20
Rate	Unit	Rate	Rate	Unit	Code					
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	99 a	65 a	0 f
1	AMS	3.75 % v/v	3 qt/a							
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
1	AMS	3.75 % v/v	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	77 a	37 bcd
2	VALOR SX	0.064 lb ai/a	2 oz/a							
2	AMS	3.75 % v/v	3 qt/a							
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
2	AMS	3.75 % v/v	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	97 a	53 ab
3	VALOR SX	0.064 lb ai/a	2 oz/a							
3	ATRAZINE	1 lb ai/a	1 qt/a							
3	AMS	3.75 % v/v	3 qt/a							
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
3	AMS	3.75 % v/v	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	95 a	20 de
4	ATRAZINE	1 lb ai/a	1 qt/a							
4	AMS	3.75 % v/v	3 qt/a							
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
4	AMS	3.75 % v/v	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	93 a	63 a
5	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a							
5	AMS	3.75 % v/v	3 qt/a							
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
5	AMS	3.75 % v/v	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	90 a	70 a
6	LUMAX	1.48 lb ai/a	3 pt/a							
6	AMS	3.75 % v/v	3 qt/a							
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
6	AMS	3.75 % v/v	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	77 a	30 cd
7	BALANCE PRO	0.047 lb ai/a	1.5 oz/a							
7	AMS	3.75 % v/v	3 qt/a							
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
7	AMS	3.75 % v/v	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	87 a	65 a
8	RADIUS	0.313 lb ai/a	10 oz/a							
8	AMS	3.75 % v/v	3 qt/a							
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
8	AMS	3.75 % v/v	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	82 b	82 bc	100 a	83 a	7 ef
9	AMS	3.75 % v/v	3 qt/a							
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
9	AMS	3.75 % v/v	3 qt/a							
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	97 a	93 ab	100 a	77 a	50 abc
10	VALOR SX	0.064 lb ai/a	2 oz/a							
10	AMS	3.75 % v/v	3 qt/a							
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
10	AMS	3.75 % v/v	3 qt/a							

Ohio State University Horticulture and Crop Science

Weed Code	LAMPU	LAMAM	VERAR	AMBTR	SETFA
Crop Code					
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/31/2007	May/31/2007	May/31/2007	May/31/2007	May/31/2007
Trt-Eval Interval	41 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	16	17	18	19	20
		Rate Unit	Rate	Rate	Code					
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	100 a	82 a	63 a
11	VALOR SX	0.064 lb ai/a	2 oz/a							
11	ATRAZINE	1 lb ai/a	1 qt/a							
11	AMS	3.75 % v/v	3 qt/a							
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
11	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	100 a	92 a	30 cd
12	ATRAZINE	1 lb ai/a	1 qt/a							
12	AMS	3.75 % v/v	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
12	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	100 a	90 a	70 a
13	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a							
13	AMS	3.75 % v/v	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
13	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	100 a	83 a	70 a
14	LUMAX	1.48 lb ai/a	3 pt/a							
14	AMS	3.75 % v/v	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
14	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	75 b	75 c	100 a	90 a	47 abc
15	BALANCE PRO	0.047 lb ai/a	1.5 oz/a							
15	AMS	3.75 % v/v	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
15	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	97 a	90 ab	100 a	89 a	70 a
16	RADIUS	0.313 lb ai/a	10 oz/a							
16	AMS	3.75 % v/v	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C					
16	AMS	3.75 % v/v	3 qt/a							
LSD (P=.05)						9.3	9.7	0.5	18.0	14.7
Standard Deviation						5.6	5.8	0.3	10.8	8.8
CV						5.76	6.05	0.29	12.62	19.0
Bartlett's X2						5.908	4.757	0.0	11.629	8.485
P(Bartlett's X2)						0.116	0.191	.	0.636	0.486
Replicate F						1.054	1.704	1.000	0.411	0.979
Replicate Prob(F)						0.3613	0.1991	0.3798	0.6669	0.3875
Treatment F						5.311	5.191	1.000	1.842	21.141
Treatment Prob(F)						0.0001	0.0001	0.4801	0.0755	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University Horticulture and Crop Science

Weed Code				AMBEL	CHEAL	ABUTH	POLPY	SETFA	CHEAL			
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Unit				May/31/2007	May/31/2007	May/31/2007	May/31/2007	Jul/02/2007	Jul/02/2007			
Rating Date				41 DA-A	41 DA-A	41 DA-A	41 DA-A	26 DA-C	26 DA-C			
Trt-Eval Interval				0	0	0	0	0	0			
# Subsamples, Dec.				0	0	0	0	0	0			
Trt No.	Treatment Name	Rate	Product	Product	Appl	21	22	23	24	25	26	
		Rate	Unit	Rate	Unit							
1	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	83 a	60 b	78 a	37 c	98 a	97 ab
1	AMS	3.75	% v/v	3	qt/a							
1	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
1	AMS	3.75	% v/v	3	qt/a							
2	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	87 a	90 ab	84 a	83 a	95 a	100 a
2	VALOR SX	0.064	lb ai/a	2	oz/a							
2	AMS	3.75	% v/v	3	qt/a							
2	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
2	AMS	3.75	% v/v	3	qt/a							
3	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	100 a	90 ab	82 a	100 a	97 a	100 a
3	VALOR SX	0.064	lb ai/a	2	oz/a							
3	ATRAZINE	1	lb ai/a	1	qt/a							
3	AMS	3.75	% v/v	3	qt/a							
3	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
3	AMS	3.75	% v/v	3	qt/a							
4	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	100 a	75 ab	83 a	97 a	96 a	100 a
4	ATRAZINE	1	lb ai/a	1	qt/a							
4	AMS	3.75	% v/v	3	qt/a							
4	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
4	AMS	3.75	% v/v	3	qt/a							
5	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	93 a	70 ab	90 a	90 a	95 a	100 a
5	BICEP II MAGNUM	1.79	lb ai/a	1.3	qt/a							
5	AMS	3.75	% v/v	3	qt/a							
5	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
5	AMS	3.75	% v/v	3	qt/a							
6	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	96 a	100 a	100 a	92 a	97 a	100 a
6	LUMAX	1.48	lb ai/a	3	pt/a							
6	AMS	3.75	% v/v	3	qt/a							
6	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
6	AMS	3.75	% v/v	3	qt/a							
7	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	100 a	90 ab	100 a	33 c	93 a	100 a
7	BALANCE PRO	0.047	lb ai/a	1.5	oz/a							
7	AMS	3.75	% v/v	3	qt/a							
7	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
7	AMS	3.75	% v/v	3	qt/a							
8	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	A	92 a	90 ab	97 a	40 c	98 a	100 a
8	RADIUS	0.313	lb ai/a	10	oz/a							
8	AMS	3.75	% v/v	3	qt/a							
8	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
8	AMS	3.75	% v/v	3	qt/a							
9	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	83 a	67 ab	97 a	50 bc	97 a	95 b
9	AMS	3.75	% v/v	3	qt/a							
9	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
9	AMS	3.75	% v/v	3	qt/a							
10	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	B	100 a	90 ab	85 a	73 ab	94 a	100 a
10	VALOR SX	0.064	lb ai/a	2	oz/a							
10	AMS	3.75	% v/v	3	qt/a							
10	ROUNDUP WEATHERMAX	0.77	lb ae/a	22	oz/a	C						
10	AMS	3.75	% v/v	3	qt/a							

Ohio State University Horticulture and Crop Science

Weed Code	AMBEL	CHEAL	ABUTH	POLPY	SETFA	CHEAL
Crop Code						
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	May/31/2007	May/31/2007	May/31/2007	May/31/2007	Jul/02/2007	Jul/02/2007
Trt-Eval Interval	41 DA-A	41 DA-A	41 DA-A	41 DA-A	26 DA-C	26 DA-C
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	21	22	23	24	25	26
		Rate Unit	Rate	Rate Unit	Code						
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	100 a	100 a	87 a	100 a	95 a	100 a
11	VALOR SX	0.064 lb ai/a	2 oz/a	2 oz/a							
11	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a							
11	AMS	3.75 % v/v	3 qt/a	3 qt/a							
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
11	AMS	3.75 % v/v	3 qt/a	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	100 a	80 ab	87 a	100 a	98 a	100 a
12	ATRAZINE	1 lb ai/a	1 qt/a	1 qt/a							
12	AMS	3.75 % v/v	3 qt/a	3 qt/a							
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
12	AMS	3.75 % v/v	3 qt/a	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	100 a	75 ab	80 a	100 a	94 a	100 a
13	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a	1.3 qt/a							
13	AMS	3.75 % v/v	3 qt/a	3 qt/a							
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
13	AMS	3.75 % v/v	3 qt/a	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	100 a	100 a	98 a	93 a	99 a	100 a
14	LUMAX	1.48 lb ai/a	3 pt/a	3 pt/a							
14	AMS	3.75 % v/v	3 qt/a	3 qt/a							
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
14	AMS	3.75 % v/v	3 qt/a	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	97 a	100 a	97 a	97 a	95 a	100 a
15	BALANCE PRO	0.047 lb ai/a	1.5 oz/a	1.5 oz/a							
15	AMS	3.75 % v/v	3 qt/a	3 qt/a							
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
15	AMS	3.75 % v/v	3 qt/a	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	B	92 a	92 ab	88 a	90 a	97 a	100 a
16	RADIUS	0.313 lb ai/a	10 oz/a	10 oz/a							
16	AMS	3.75 % v/v	3 qt/a	3 qt/a							
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	22 oz/a	C						
16	AMS	3.75 % v/v	3 qt/a	3 qt/a							
LSD (P=.05)						16.5	18.9	12.9	26.9	5.1	2.5
Standard Deviation						9.9	11.3	7.7	16.1	3.0	1.5
CV						10.38	13.25	8.64	20.22	3.16	1.49
Bartlett's X2						7.585	11.305	17.717	14.472	9.555	0.567
P(Bartlett's X2)						0.371	0.334	0.125	0.208	0.794	0.452
Replicate F						5.812	0.503	1.686	6.736	10.853	0.238
Replicate Prob(F)						0.0074	0.6099	0.2023	0.0038	0.0003	0.7896
Treatment F						1.168	3.855	2.776	7.150	0.811	2.905
Treatment Prob(F)						0.3460	0.0008	0.0084	0.0001	0.6580	0.0063

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University Horticulture and Crop Science

Weed Code				ABUTH	AMBEL	AMBTR	POLPY		
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL		
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit				Jul/02/2007	Jul/02/2007	Jul/02/2007	Jul/02/2007		
Rating Date				26 DA-C	26 DA-C	26 DA-C	26 DA-C		
Trt-Eval Interval				0	0	0	0		
# Subsamples, Dec.				0	0	0	0		
Trt No.	Treatment Name	Rate	Product	Product	Appl	27	28	29	30
		Rate Unit	Rate	Rate Unit	Code				
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	98 a	93 a
1	AMS	3.75 % v/v	3 qt/a						
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
1	AMS	3.75 % v/v	3 qt/a						
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	98 a	95 a
2	VALOR SX	0.064 lb ai/a	2 oz/a						
2	AMS	3.75 % v/v	3 qt/a						
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
2	AMS	3.75 % v/v	3 qt/a						
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	99 a	98 a
3	VALOR SX	0.064 lb ai/a	2 oz/a						
3	ATRAZINE	1 lb ai/a	1 qt/a						
3	AMS	3.75 % v/v	3 qt/a						
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
3	AMS	3.75 % v/v	3 qt/a						
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	98 a	100 a	100 a	100 a
4	ATRAZINE	1 lb ai/a	1 qt/a						
4	AMS	3.75 % v/v	3 qt/a						
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
4	AMS	3.75 % v/v	3 qt/a						
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	100 a	100 a
5	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a						
5	AMS	3.75 % v/v	3 qt/a						
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
5	AMS	3.75 % v/v	3 qt/a						
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	98 a	100 a	97 a	100 a
6	LUMAX	1.48 lb ai/a	3 pt/a						
6	AMS	3.75 % v/v	3 qt/a						
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
6	AMS	3.75 % v/v	3 qt/a						
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	100 a	100 a	98 a	92 a
7	BALANCE PRO	0.047 lb ai/a	1.5 oz/a						
7	AMS	3.75 % v/v	3 qt/a						
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
7	AMS	3.75 % v/v	3 qt/a						
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		A	99 a	100 a	97 a	87 a
8	RADIUS	0.313 lb ai/a	10 oz/a						
8	AMS	3.75 % v/v	3 qt/a						
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
8	AMS	3.75 % v/v	3 qt/a						
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	99 a	100 a	98 a	98 a
9	AMS	3.75 % v/v	3 qt/a						
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
9	AMS	3.75 % v/v	3 qt/a						
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	99 a	100 a
10	VALOR SX	0.064 lb ai/a	2 oz/a						
10	AMS	3.75 % v/v	3 qt/a						
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
10	AMS	3.75 % v/v	3 qt/a						

Ohio State University Horticulture and Crop Science

Weed Code	ABUTH	AMBEL	AMBTR	POLPY
Crop Code				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Jul/02/2007	Jul/02/2007	Jul/02/2007	Jul/02/2007
Trt-Eval Interval	26 DA-C	26 DA-C	26 DA-C	26 DA-C
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product	Appl	27	28	29	30
		Rate Unit	Rate	Rate	Code				
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	93 a	100 a
11	VALOR SX	0.064 lb ai/a	2 oz/a						
11	ATRAZINE	1 lb ai/a	1 qt/a						
11	AMS	3.75 % v/v	3 qt/a						
11	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
11	AMS	3.75 % v/v	3 qt/a						
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	99 a	100 a	97 a	100 a
12	ATRAZINE	1 lb ai/a	1 qt/a						
12	AMS	3.75 % v/v	3 qt/a						
12	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
12	AMS	3.75 % v/v	3 qt/a						
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	99 a	100 a	100 a	100 a
13	BICEP II MAGNUM	1.79 lb ai/a	1.3 qt/a						
13	AMS	3.75 % v/v	3 qt/a						
13	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
13	AMS	3.75 % v/v	3 qt/a						
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	100 a	100 a	98 a	100 a
14	LUMAX	1.48 lb ai/a	3 pt/a						
14	AMS	3.75 % v/v	3 qt/a						
14	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
14	AMS	3.75 % v/v	3 qt/a						
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	99 a	100 a	100 a	100 a
15	BALANCE PRO	0.047 lb ai/a	1.5 oz/a						
15	AMS	3.75 % v/v	3 qt/a						
15	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
15	AMS	3.75 % v/v	3 qt/a						
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		B	98 a	100 a	100 a	100 a
16	RADIUS	0.313 lb ai/a	10 oz/a						
16	AMS	3.75 % v/v	3 qt/a						
16	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a		C				
16	AMS	3.75 % v/v	3 qt/a						
LSD (P=.05)						2.2	0.0	5.6	8.4
Standard Deviation						1.3	0.0	3.4	5.0
CV						1.36	0.0	3.43	5.16
Bartlett's X2						7.642	0.0	16.065	5.411
P(Bartlett's X2)						0.469	.	0.139	0.368
Replicate F						0.768	0.000	0.051	0.389
Replicate Prob(F)						0.4730	1.0000	0.9501	0.6812
Treatment F						0.959	0.000	0.898	1.872
Treatment Prob(F)						0.5171	1.0000	0.5744	0.0702

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.